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| 09/904,665 | 07/16/2001 | Ki-Hyub Sung | P56406 | 6179 |
| 7590 04/25/2005 | | | | |
| Robert E. Bushnell Suite 300 1522 K Street, N.W. Washington, DC 20005 | | | EXAMINER CHANG, YEAN HSI | |
| | | | ART UNIT 2835 | PAPER NUMBER |

DATE MAILED: 04/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/904,665

Applicant(s)

SUNG, KI-HYUB

Examiner

Yean-Hsi Chang

Art Unit

2835

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 07 April 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 3,5-10 and 15-32 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 3,5-7,10,15-17 and 20-32 is/are rejected.
- 7) ☒ Claim(s) 8,9,18 and 19 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 5-6, 21, 24-25, 28-29 and 32 are rejected under 35 U.S.C. 102(b) as being anticipated by Nakamura et al. (US 5,768,095).

Nakamura teaches a display apparatus comprising: a panel (52, fig. 6) bearing a screen (inherent feature, not labeled) disposed to display varying visual images, a panel support (61, fig. 6) holding the panel, a bezel (53, fig. 6) framing a front periphery of the panel, a rear cover (51, fig. 4) removably mating with said bezel while encasing said panel held by said panel support, at least one rib (edge portion of 57b', better seen in fig. 10A) formed to project from a peripheral surface of the bezel (fig. 10A), at least one deformable coupling (57b, fig. 4) bearing a groove (on the right hand side of the upper end portion of 57b shown in fig. 10A, not labeled), extending from an inner surface of the rear cover (fig. 10B), oriented to embrace a correspond rib during said mating (see fig. 10A) wherein the rib is inserted in the groove (shown in fig. 10A) (claims 21, 25 and 29); at least one stop (shown next to lower edge of 61 in fig. 7A; not labeled) extending from an inner surface of said bezel engaging said support while maintaining said bezel

surrounding said screen (claims 24, 28 and 32); at least a pair of stops (only the cross-sectional view of one side of 53 and 61 in fig. 6 is shown in fig. 7, similar view of the other side not shown) protruding from said rear surface of the bezel to engage the panel support and prevent the panel support from moving across a plane of the panel (claim 5); and/or at least four stops disposed to be adjacent to four corner portions (the sectional view in fig. 7 is taken adjacent to one portion of a corner of the bezel 53 in fig. 6; same view may be at four corner portions) of the rear surface, and protrude from said rear surface of the bezel to engage the panel support and prevent the panel support from moving across a plane of the panel (claim 6).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 15-16, 22-23, 26-27 and 30-31 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakamura et al.

Nakamura discloses the claimed invention except one rib and one coupling being disposed at each corner portion of the rear cover and the bezel, respectively, or at each corner of the bezel and rear cover, respectively.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device with one rib and one coupling at each corner portion of the rear cover and the bezel, respectively, or at each corner portion of the bezel and the rear cover, respectively, since it has been held that mere duplication of the essential working parts of a device and rearranging parts of an invention involves only routine skill in the art. MPEP §2144.04 VI B & C.

5. Claims 7 and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakamura et al. in view of Lee et al. (US 6,587,166 B1).

The applied reference has a common assignee with the instant application. Based upon the earlier effective U.S. filing date of the reference, it constitutes prior art only under 35 U.S.C. 102(e). This rejection under 35 U.S.C. 103(a) might be overcome by: (1) a showing under 37 CFR 1.132 that any invention disclosed but not claimed in the reference was derived from the inventor of this application and is thus not an invention "by another"; (2) a showing of a date of invention for the claimed subject matter of the application which corresponds to subject matter disclosed but not claimed in the reference, prior to the effective U.S. filing date of the reference under 37 CFR 1.131; or (3) an oath or declaration under 37 CFR 1.130 stating that the application and reference are currently owned by the same party and that the inventor named in the application is the prior inventor under 35 U.S.C. 104, together with a terminal disclaimer in accordance with 37 CFR 1.321(c). For applications filed on or after November 29, 1999, this rejection might also be overcome by showing that the subject matter of the

reference and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person. See MPEP § 706.02(I)(1) and § 706.02(I)(2).

Nakamura discloses the claimed invention except a hook is formed at a leading edge of each stop for engaging an edge of the panel support.

Lee teaches a display apparatus comprising 4 stops (535, only one is shown, fig. 10; also see col. 11, lines 41-46) disposed to be adjacent to four corner portions of a rear surface (100, fig. 1), and protrude from a rear surface of a bezel (500, fig. 10) to engage a panel support (400, fig. 1) and prevent the panel support from moving across a plane of a panel (300, fig. 1), wherein a hook (shown in fig. 10, not labeled) is formed at a leading edge of each stop (shown in fig. 10) for engaging an edge (shown in fig. 15, not labeled) of the panel support.

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Nakamura with the display apparatus taught by Lee for holding the display apparatus properly assembled.

6. Claims 3, 10 and 20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lee et al. in view of Sasai et al. (US 6,426,803 B1).

Lee discloses the claimed invention except a tool access hole formed through the rear cover, and clearly showing a skirt of the bezel having a rabbetted edge and a skirt of the rear cover having a rabbetted edge that overlap when said bezel and said rear cover are coupled together.

Sasai teaches a tool access hole (201, fig. 4) formed through a cover (200, fig. 4), and a skirt (not numbered) of a bezel (200, fig. 6) having a rabbetted edge (at location 203, fig. 6) and a skirt of the rear cover (100, fig. 6) having a rabbetted edge (also shown at location 203, fig. 6) that overlap when said bezel and said rear cover are coupled together (shown in fig. 6).

It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Lee with the tool access hole and the skirts taught by Sasai for easily disengaging the assembly and better fitting when mating.

Allowable Subject Matter

7. Claims 8-9 and 18-19 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. The following is a statement of reasons for the indication of allowable subject matter: The best prior art of record, Nakamura et al. (US 5,768,095), Lee et al. (US 6,587,166 B1), and Sasai et al. (US 6,426,803 B1), taken alone or in combination, fails to teach or reasonably suggest a display apparatus comprising: a panel bearing a screen, a panel support holding the panel, a bezel framing a front peripheral of the panel, a rear cover removably mating with the bezel; and, in addition, a plurality of support ribs protruding from the rear cover so as to contact each of four stops disposed to be adjacent to four corner portions of a rear surface of the bezel to force a hook of

each stop toward an edge of the panel to support the engagement of the hook and the edge of the panel as set forth in claims 8 and 18; or an edge of the panel is formed with a projection allowing a hook of each of four stops disposed to be adjacent to four corner portions of a rear surface of the bezel to overlap the projection to support the engagement of the hook and the edge of the panel as set forth in claims 9 and 19.

Response to Arguments

9. Applicant's arguments filed Apr. 7, 2005 have been fully considered but they are not persuasive. Applicant's arguments will be answered as follows:

1) Regarding rejections of claims 3 and 13, rejection of claim 3 was shown in office action mailed 8/25/2004, the rejection of claim 3 was not shown in office action mailed 1/19/2005 unintentionally, and the examiner regret on this matter; and no rejection of claim 13 was given since claim 13 was canceled.

2) Applicant argues element 57b' of Nakamura is not a "rib", and element 57b having no groove. Figs. 10A and 10B of Nakamura indicate clearly a rib projecting from peripheral surface of 53 in the region of element 57b', and a groove formed at position 57b. 57b is extending from the side wall of 51, when 51 is depressed 57b is displaced as stated in col. 9, lines 61-67, and the material of 57b is elastic as stated in col. 8, lines 19-23; therefore, 57b is deformable. In addition, referring to Merriam Webster Collegiate Dictionary, "a groove" is "a long narrow channel or depression"; so the groove formed at 57b as shown in figs. 10A and 10B meets the definition.

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Therefore, the rejection of claims 21, 25 and 29 is not in error, and so is the rejection of claims 5-6, 21, 24-25, 28-29 and 32.

3) Regarding claims 5, and 15-16, Applicant argues that a pair of stops of Nakamura are not identified and there are no stops necessary. For the locations of the stops, they are shown next to lower edge of 61 in fig. 7A of Nakamura as indicated in the rejection in paragraph 2, hereinabove; and the reasons of having stops are not given in the disclosure of Nakamura, it may have been obvious to one having ordinary skill in the art.

4) Mere duplication and rearrangement of parts involving routine skill in the art is an obvious fact not the intention of Nakamura. It would not been necessary if Nakamura had done it.

5) Regarding claims 7 and 17, Applicant argues that "Lee fails to teach or suggest modifying Nakamura to include the features noted above as lacking in Nakamura". The invention of Lee may apply to a display in general, it would be wise not to limit its invention to modify the display of Nakamura specifically.

Accordingly, all rejections are not in error.

Conclusion

10. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Correspondence

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yean-Hsi Chang whose telephone number is (571) 272-2038. The examiner can normally be reached on 08:00 - 16:00, Monday - Friday.

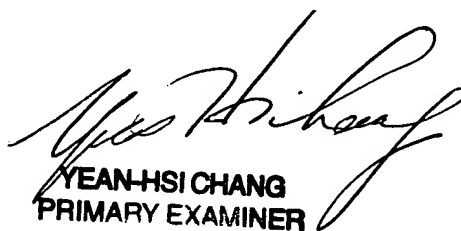
If attempts to reach the examiner by telephone are unsuccessful, the Art Unit phone number is (571) 272-2800, ext. 35. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system,

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see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-8558.

Yean-Hsi Chang
Primary Examiner
Art Unit: 2835
April 21, 2005



YEAN-HSI CHANG
PRIMARY EXAMINER